

FIG. 1 is a schematic diagram of a system for managing trailer transit areas. The system includes a computer system (12) connected to a user interface (28) and a database (24). The computer system (12) is also connected to two trailer transit areas (14.1 and 14.2) via communication lines (32). Each trailer transit area (14.1 and 14.2) includes a trailer transit area (16), a building (30), and a terminal (18).

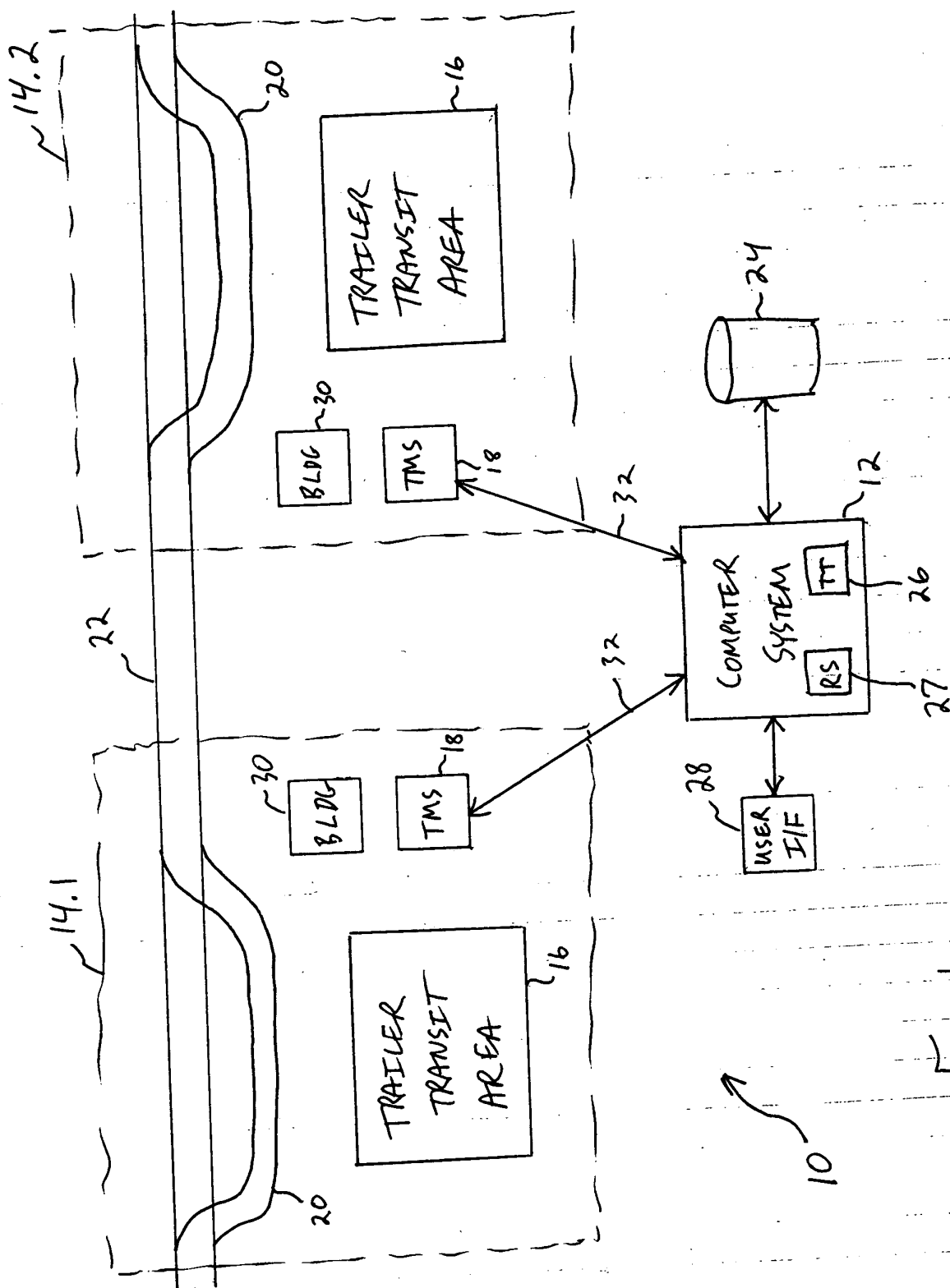


Fig. 1

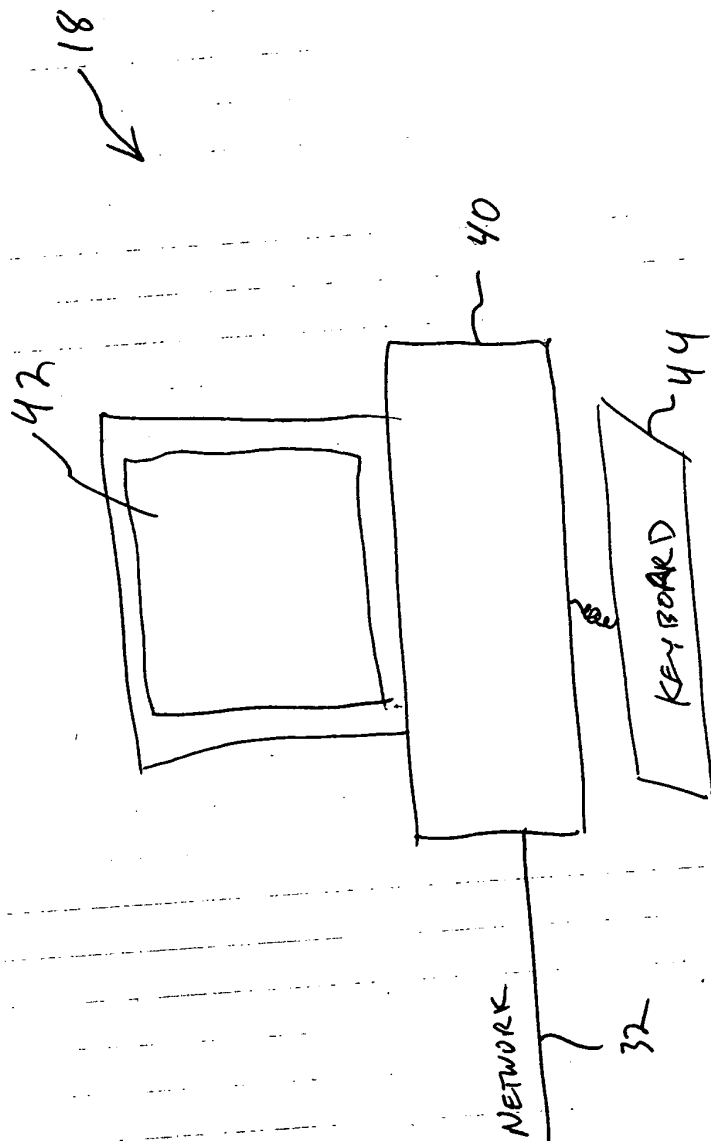


Fig. 2

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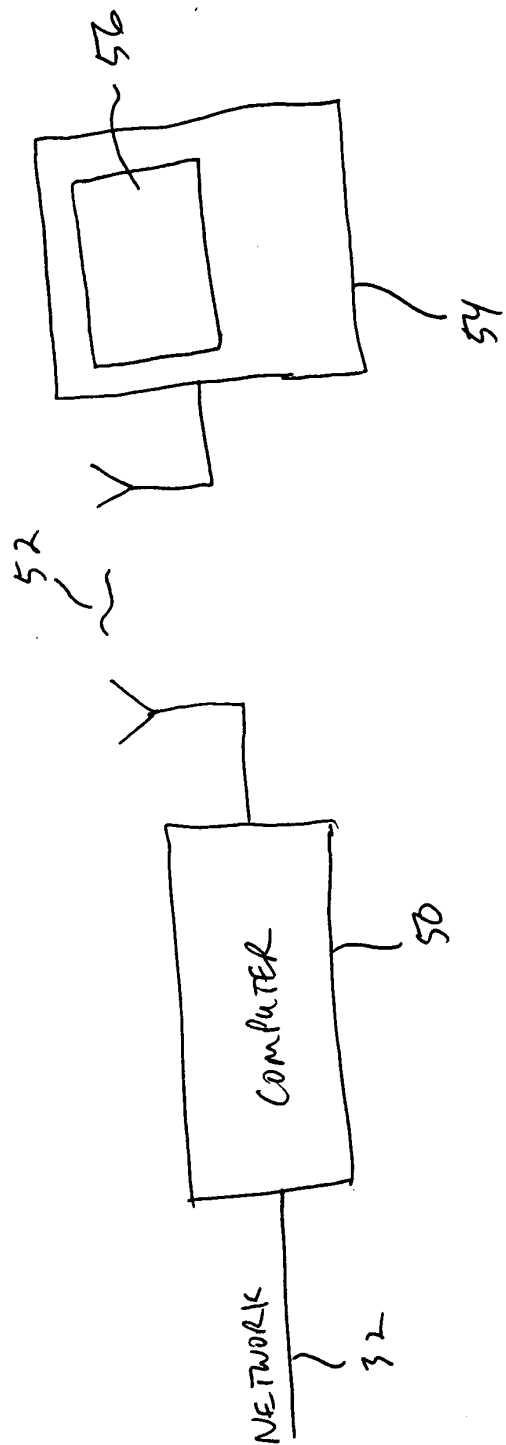


Fig. 3

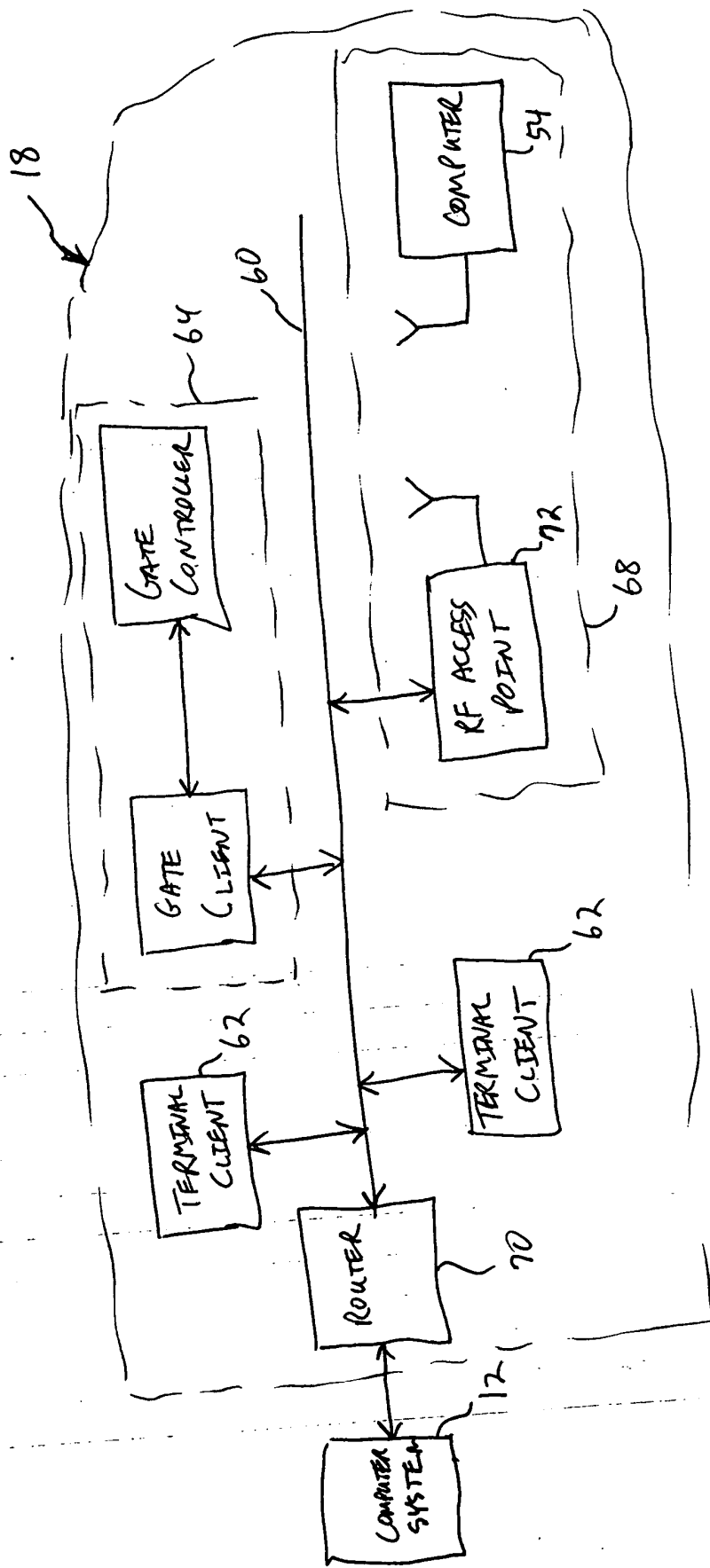


Fig. 4

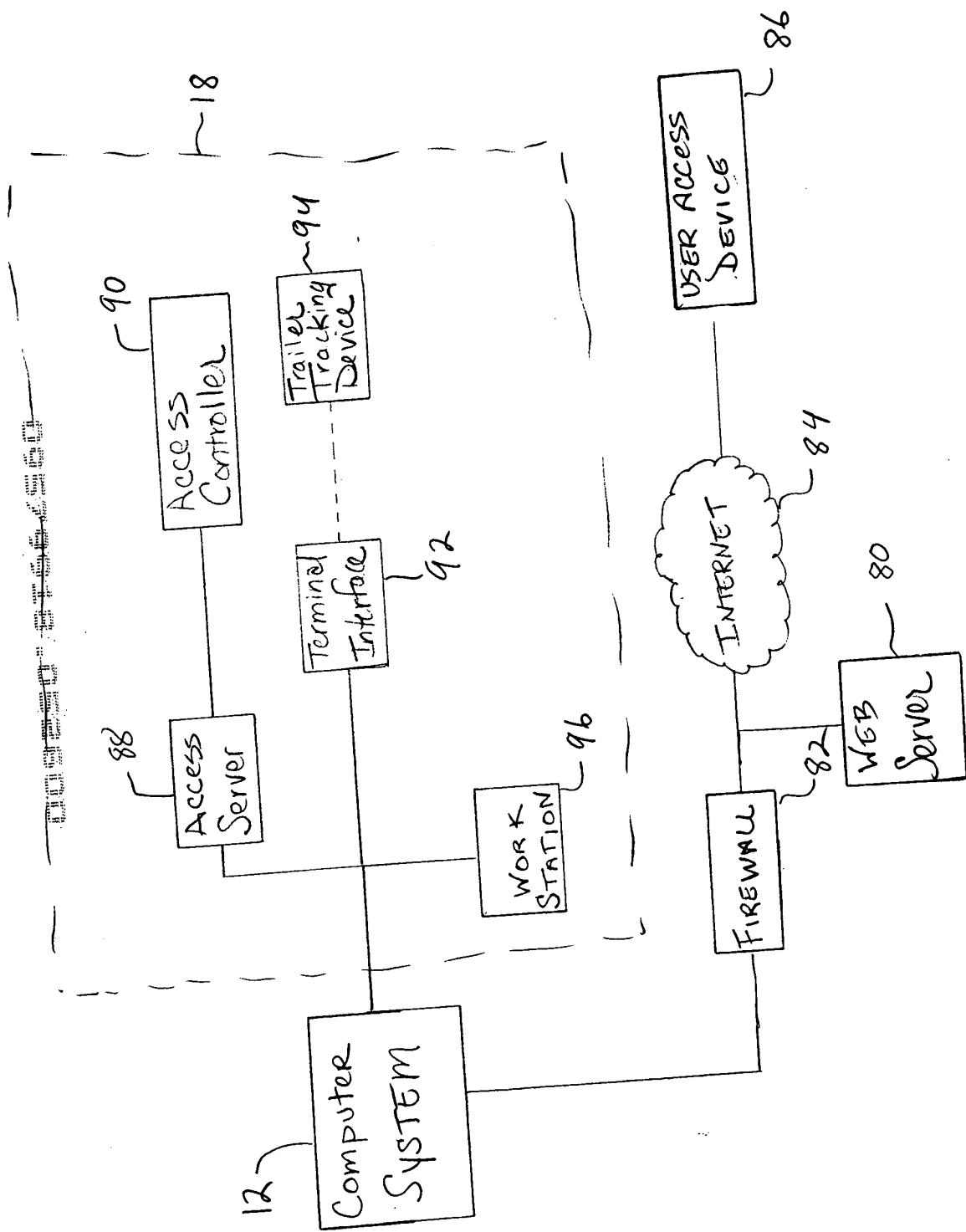
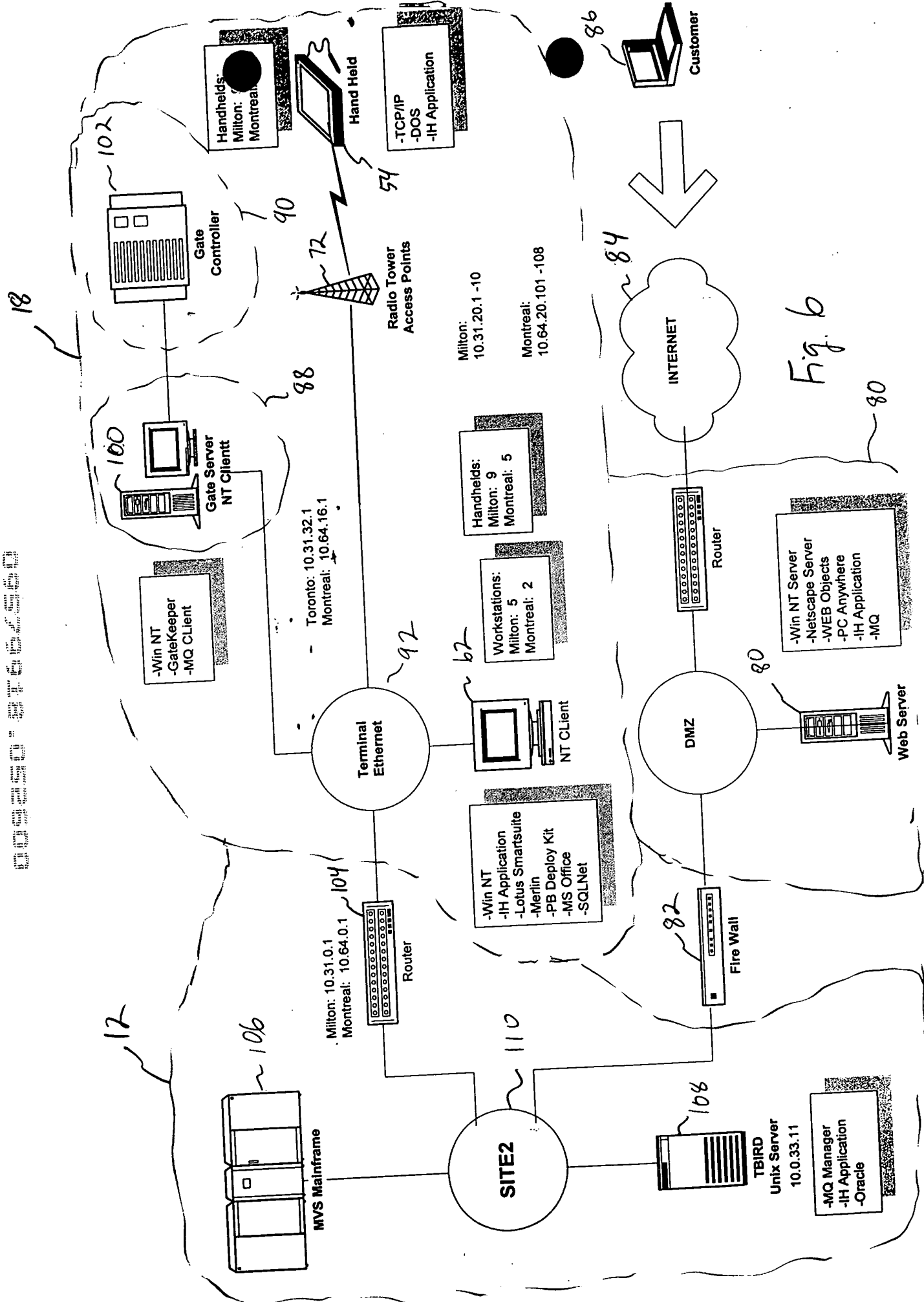


Figure 5



Patented 2/24/99

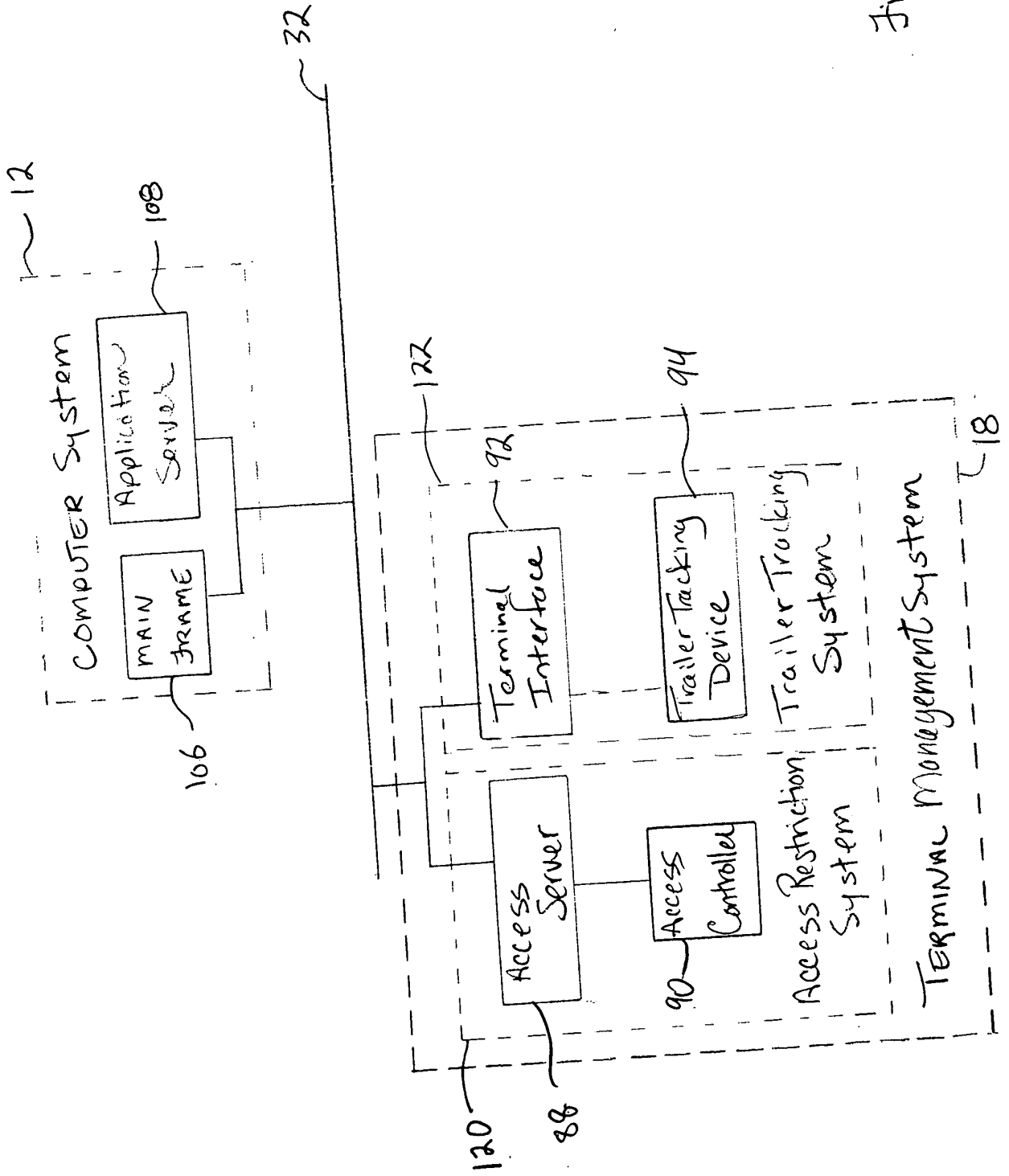


Figure 7

FIG. 8 is a block diagram of a network system 800. The system includes a Main Frame 106, an EDI Server 114, a Server 108, a Bulletin Board Server 112, a Customer Workstation 86, a Hand Held PC 54, and a Spectrum 24 Access Point 72. The Main Frame 106 is connected to the EDI Server 114 via LU 6.2 MQ. The EDI Server 114 is connected to the Server 108 via LU 6.2 MQ. The Server 108 is connected to the Bulletin Board Server 112 via TCP/IP SQL*NET. The Bulletin Board Server 112 is connected to the Customer Workstation 86 via TCP/IP SQL*NET. The Customer Workstation 86 is connected to the Hand Held PC 54 via RF Lan. The Hand Held PC 54 is connected to the Spectrum 24 Access Point 72 via RF Lan. The Spectrum 24 Access Point 72 is connected to the Bulletin Board Server 112 via TCP/IP MQ.

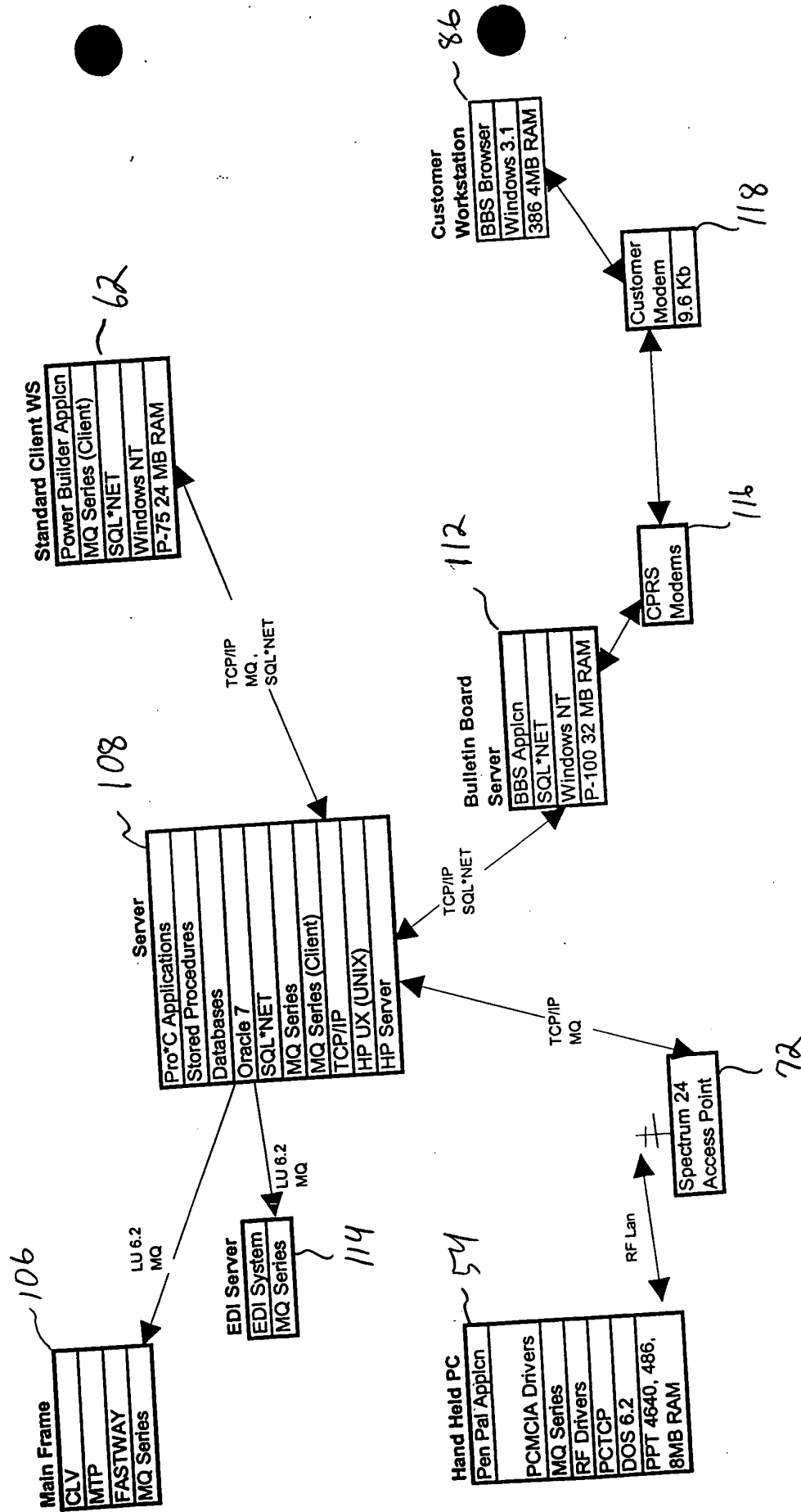


Fig. 8

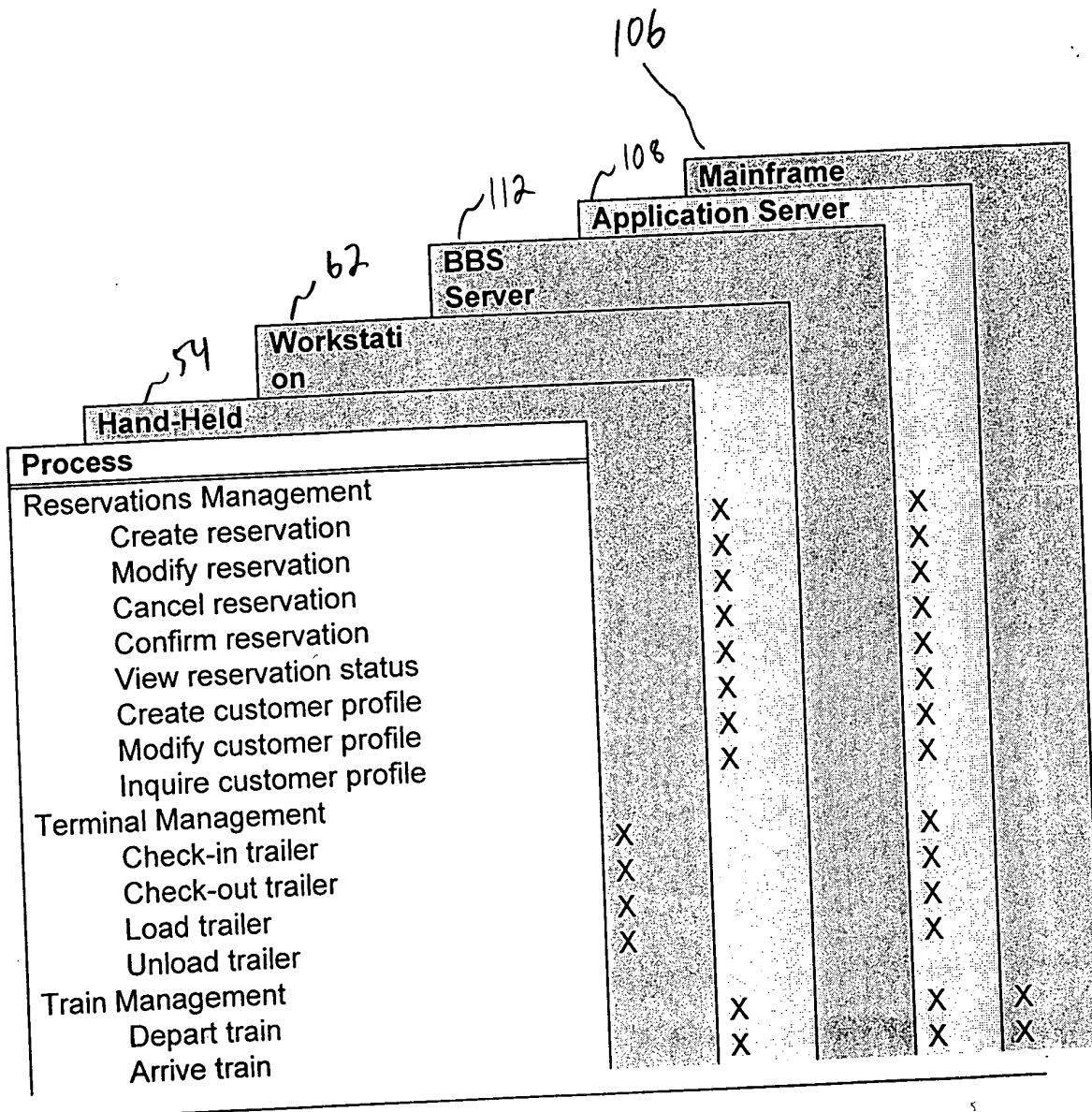


Fig. 9

003230" 31667500

OPERATING TRAIN SEARCH

EXPRESSWAY

File Edit Management Operation Reports Window Help

Train Schedule Standby Unit Trace Reports Profiles Templates Help Exit

Search Open New

Reservation List

Res No. Customer Status Origin Destination Train No.

Reservation Search

Criteria

Reservation No. 122

Train ID 2/10/2000

Origin

Departure

Destination

Arrival

Status

Customer

[Train Id = 122]

Search Reset Criteria Help Cancel

Reservation Summary

Number Not Available

Status Not Available

Trailers Reserved Confirmed Released

Pups Reserved Confirmed Released

Search Items

08-Feb-2000 16:11:24

Fig. 11

009250 27062500

RESERVATION LIST

EXPRESSWAY

File Edit Management Operation Reports Window Help

Customer (Ctrl+Q) Trains Schedule SendBy Unit Trace Reports Profiles Templates Help Exit

Open Search Retrieve Delete Help Close

Reservation List

Res. No.	Customer	Status	Origin	Destination	Train No.
56101	BRUCE R SMITH LTD	Open	TORONTO EWT	MONTREAL EWT	122-10
56100	HUDSON'S BAY CO	Open	TORONTO EWT	MONTREAL EWT	122-10

Reservation Summary

Number: 56101

Status: Open

Trailers: Reserved: 4 Confirmed: 0 Released: 0

Pups: Reserved: 0 Confirmed: 0 Released: 0

08 Feb 2000 16:29:50

Fig. 12

150

RESERVATION CREATION

EXPRESSWAY

File Edit Management Operation Reports Window Help

Trains

Schedule

Standby

Unit Trace

Reports

Profiles

Templates

Help

Exit

Res No

55101

BRU

56100

HUD

Reservation Summary

Number:

Status:

Trailer:

Pups:

Reserved:

Confirmed:

Released:

Not Available

Not Available

Not Available

Not Available

Reserved

Confirmed

Released

Reservation Details

Customer:

Trailer:

Pups:

Caller:

Status:

CANADIAN TIRE CORP LTD

5

5

Anna Smith

Not Available

Journey

Train Number:

Origin:

Destination:

Departure:

122

TORONTO EWT

MONTREAL EWT

2/10/2000

Find

Reset

☒ Keep Journey for New Reservations

Route Details

Origin

Destination

Departure

Arrival

Status

TORONTO EWT

MONTREAL EWT

10-Feb-2000 18:00

10-Feb-2000 22:00

Planned

Free Pool

By Route

100

OR

200

100

OR

200

OK

Cancel

Apply

Help

New Reservation

Fig. 13

166 16409250 BT062500

RESERVATION CONFIRMATION

EXPRESSWAY

File Edit Management Operation Reports Window Help

Reservation Detail

Reservation Summary
Number: 57109
Status: Completed
Trailer: Reserved: 4
Confirmed: 4
Released: 0
Pups: Reserved: 1
Confirmed: 1
Released: 0

Reservation Details
Customer: ROBERT TRANSPORT INC
Trailers: 4
Pups: 1
Caller: [blank]
Status: Completed
Internet Created: [blank]

Journey
Train Number: 893
Origin: TORONTO EWT
Destination: DETROIT EWT
Departure: 19-Apr-2000 10:00
☒ Keep Journey for New Reservations

Trailer ID	Length	Type	Seal ID	Cont. Wt	Drngs	Shipment ID	Status
ROBZ8001	20' Pup	Dry Van	1234	1,000	<input type="checkbox"/>	A123	Pick to Unload
ROBZ8002	48' Trailer	Dry Van	1234	10,000	<input checked="" type="checkbox"/>	11	Pick to Unload
RQBZ8003	48' Trailer	Dry Van	1234	4,000	<input type="checkbox"/>	AA11	Pick to Unload
ROBZ8004	50' Trailer	Dry Van	1234	0	<input type="checkbox"/>	AA	Arrived
ROBZ8005	48' Trailer	Dry Van	1234	0	<input type="checkbox"/>	11	Rdy for CO

28-Apr-2000 16:54:15

Fig. 14

CONFIRMATION DETAILS

EXPRESSWAY

File Edit Management Operation Reports Window Help

Confirmation Detail

Trailer ID: R08Z8002 Chassis ID: Dry Van Style: 48' Trailer Length: 1234 Seal No: 10,000 lbs Content Wt: 1,000 lbs Dangerous: ☒ Empty Load: ☒ Dangerous

Customer Name: ROBERT TRANSPORT INC Caller: jyd Internet Created: ☐ Rollup Door: ☐ Shipment ID: 11 No Charge: ☐ Status: Pick to Unload

Special Handling Instructions:

Reservation Number: 57109 Status: Completed

Trailer: 4 Reserved: 4 Confirmed: 4 Released: 0

Pups: 1 Reserved: 1 Confirmed: 1 Released: 0

Buttons: New Confirmation, OK, Cancel, Apply, Help

Bottom Bar: 57103 F 57105 R 28 Apr 2000 17:27:55

Fig. 15

(The following are the names of the persons who have been elected to the various offices of the Association, as given by the Secretary.)

Fig. 16

Ready?

CONFIRMATION DETAILS - COMMODITY INFORMATION

File Edit Management Operation Reports Window Help

EXPRESSWAY

Trailer

ID: ROE23002

Chassis ID: 1234

Style: Dry Van

Length: 48' Trailer

Seal No: 1234

Content Wt: 10,000 lbs

Dangerous Wt: 1,000 lbs

☐ Empty Load ☒ Dangerous

Customer

Name: ROBERT TRANSPORT INC

Caller: jvd

Internet Created ☐

Rollup Door ☐

Shipment

ID: 11

No Charge ☐

Status: Pick to Unload

Special Handling/Instructions:

Reservation

Train

Check In / Out

Events

Placards

Customs

Commodity

Customer

Commodity Information

Piece Count: 50

STCC Code: 4950150

Commodity Desc: 10 CAR BATTERIES, 40 BOXES OF INTERLOCKING STONE

Package Type: Box

Origin Country: CA

Origin Prov / State: ON

Destination Country:

New Confirmation

OK Cancel Apply Help

28 Apr 2000 17:32:02

Fig. 17

CONFIRMATION DETAILS - CUSTOMER INFORMATION

EXPRESSWAY

File Edit Management Operation Reports Window Help

Confirmation Detail

Trailer

ID: R08Z8002

Chassis ID: 1234

Style: 48' Trailer

Length: 1234

Seal No: 10,000 lbs

Content Wt: 1,000 lbs

Dangerous Wt: ☐ Empty Load ☒ Dangerous

Customer

Name: ROBERT TRANSPORT INC

Caller: jvd

Internet Created: ☐

Rollup Door: ☐

Shipment

ID: 11

No Charge: ☐

Status: Pick to Unload

Special Handling Instructions:

Reservation

Train

Check In / Out

Events

Placards

Customs

Commodity

Customer

Shipper

ROBERT TRANSPORT INC

Ultimate Shipper

GENERAL MOTORS ACCEPTANCE CORP D

2225-B SHEPPARD AVE TORONTO, ON CA

M2J 5C2

Consignee

ROBERT TRANSPORT INC

Ultimate Consignee

GENERAL MOTORS CORP

100 RENAISSANCE CTR DETROIT, MI US

48265

New Confirmation

OK

Cancel

Apply

Help

Res No

56401 C

57104 C

57120 C

57060 C

56520 C

57107 C

56541 C

56581 C

56720 C

56481 C

56700 C

56680 C

56480 C

57020 C

56640 C

57103 C

56360 C

56540 C

56361 C

56601 F

57103 F

57105 R

Ready

28-Apr-2000 17:36:13

Fig. 18

009250-6T664560 68

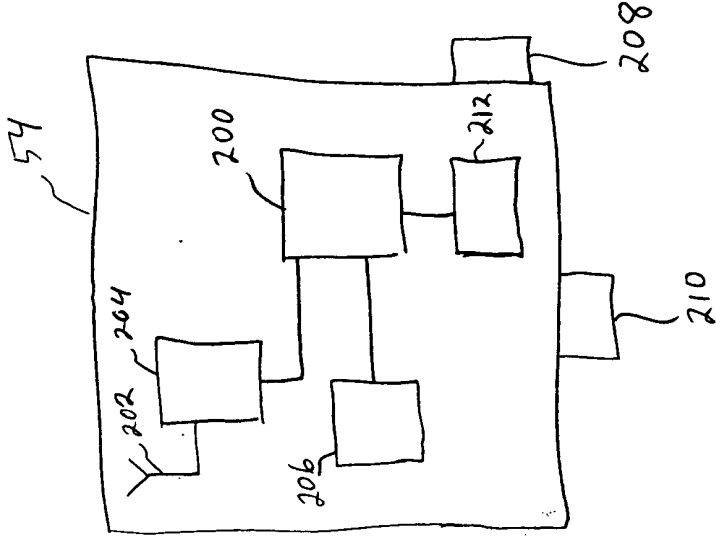
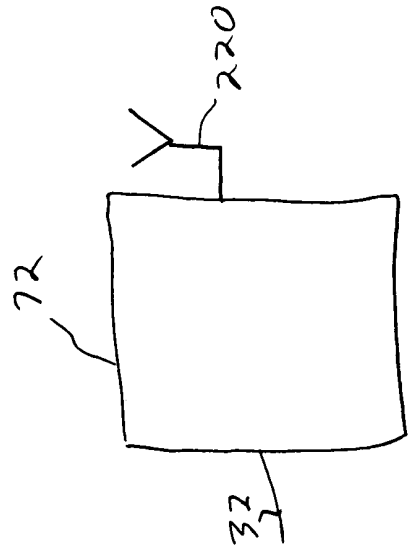


Fig. 19